

IN THE CLAIMS

1-21. Canceled.

22. (Currently Amended) A mobile terminal in a terminal positioning system having a mobile terminal and a plurality of base stations, comprising:

a signal receiver for receiving at least a signal transmitted from one of said plurality of base stations;

a delay profile calculator for calculating a correlation value between the received signal and a predetermined code to generate a delay profile representing a correlation between said received signal and said predetermined code; and

a reference timing detector for determining a reference timing according to a value of said delay profile, wherein a received timing of said received signal is determined based on said reference timing, and a position of said mobile terminal is calculated using said received timing.

23. (Previously Presented) A mobile terminal according to claim 22, wherein said reference timing is a timing at which a correlation value of the delay profile starts up from noise level.

24. (Previously Presented) A mobile terminal according to claim 22, wherein said reference timing is determined as a

timing when said calculated correlation value is equal to a threshold value.

25. (Previously Presented) A mobile terminal according to claim 22, wherein said received timing is determined as a timing which is later than said reference timing by a predetermined interval.

26. (Previously Presented) A mobile terminal according to claim 22, wherein said calculation of the position of the mobile terminal is performed in the mobile terminal.

27. (Previously Presented) A mobile terminal according to claim 22, wherein said reference timing is determined by comparing the delay profile with a noise level at said mobile terminal.

28. (Currently Amended) A terminal positioning method using received timings of signals transmitted between a plurality of base stations and a terminal, comprising the steps of:

a first step of calculating a correlation value between a received signal and a predetermined code to generate a delay profile representing a correlation between said received signal and said predetermined code;

a second step of determining a received timing according to said generated delay profile;

a third step of determining a received timing based on said reference timing; and

a fourth step of calculating a position of the terminal using said received timing relative to each of the plurality of base stations.

29. (Previously Presented) A terminal positioning method according to claim 28, wherein said reference timing is a timing at least whose correlation value of the delay profile starts up from noise level.

30. (Previously Presented) A terminal positioning method according to claim 28, wherein said reference timing is determined as a timing when said calculated correlation value is equal to a threshold value.

31. (Previously Presented) A terminal positioning method according to claim 28, wherein said received timing is determined as a timing which is later than said reference timing by a predetermined interval.

32. (Previously Presented) A terminal positioning method according to claim 28, wherein said reference timing is

determined by comparing the delay profile with a noise level at said mobile terminal.

33. (Currently Amended) A position measuring apparatus for measuring a position of a mobile terminal using a transmitted signal, comprising:

a signal receiver for receiving a signal from a transmitting station;

a delay profile generator for generating a delay profile representing a correlation between said received signal and said predetermined code by comparing said received signal with a predetermined code;

a timing detector for detecting, based on said delay profile, a reference timing to be used for calculation of the position of said mobile terminal.

34. (Previously Presented) A position measuring apparatus according to claim 33, wherein said reference timing is a timing at which a correlation value of the delay profile starts up from noise level.

35. (Previously Presented) A position measuring apparatus according to claim 33, wherein said reference timing is determined as a timing when said calculated correlation value is equal to a threshold value.

36. (Previously Presented) A position measuring apparatus according to claim 33, wherein said received timing is determined as a timing which is later than said reference timing by a predetermined interval.

37. (Previously Presented) A position measuring apparatus according to claim 33, wherein said calculation of the position of the mobile terminal is performed in the mobile terminal.

38. (Previously Presented) A position measuring apparatus according to claim 33, wherein said reference timing is determined by comparing the delay profile with a noise level at said mobile terminal.